



## MAXIMUM ALLOWABLE FLOOR SPANS

### Glued & Nailed Subfloor with Continuous Strongbacks without ceiling

 $\Delta_L \leq L/480$ 

Publication Date : December 2013

9.5"			LL=40 psf DL=15 psf				LL=40 psf DL=30 psf				LL=40 psf DL=36 psf			
Spacing o.c.			12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"
Subfloor thickness - CSP			5/8"	5/8"	5/8"	3/4"	5/8"	5/8"	5/8"	3/4"	5/8"	5/8"	5/8"	3/4"
Length	Series		Maximum Floor span c/c				Maximum Floor span c/c				Maximum Floor span c/c			
8'-0"	OJ314	3x2	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
10'-0"			10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
12'-0"			12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	11'-8"	
14'-0"			14'-0"	14'-0"	13'-5"	14'-0"	14'-0"	13'-6"	12'-1"	14'-0"	14'-0"	13'-0"	-----	
16'-0"			16'-0"	15'-4"	14'-5"	-----	16'-0"	14'-10"	-----	-----	16'-0"	14'-3"	-----	
18'-0"	OJ418	4x2	18'-0"	18'-0"	17'-3"	16'-0"	18'-0"	18'-0"	17'-3"	-----	18'-0"	18'-0"	17'-3"	-----

11.875"			LL=40 psf DL=15 psf				LL=40 psf DL=30 psf				LL=40 psf DL=36 psf			
Spacing o.c.			12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"
Subfloor thickness - CSP			5/8"	5/8"	5/8"	3/4"	5/8"	5/8"	5/8"	3/4"	5/8"	5/8"	5/8"	3/4"
Length	Series		Maximum Floor span c/c				Maximum Floor span c/c				Maximum Floor span c/c			
8'-0"	OJ314	3x2	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
10'-0"			10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
12'-0"			12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	
14'-0"			14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	13'-9"	14'-0"	14'-0"	14'-0"	13'-4"	
16'-0"			16'-0"	16'-0"	15'-4"	16'-0"	16'-0"	15'-5"	-----	16'-0"	16'-0"	14'-10"	-----	
18'-0"	OJ315	3x2	18'-0"	18'-0"	17'-7"	16'-4"	18'-0"	18'-0"	17'-0"	-----	18'-0"	18'-0"	16'-5"	-----
	OJ418 (S)	4x2	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	17'-11"	18'-0"	18'-0"	18'-0"	16'-7"
	OJ415	4x2	20'-0"	20'-0"	19'-6"	18'-1"	20'-0"	20'-0"	19'-6"	-----	20'-0"	20'-0"	19'-5"	-----
	OJ418 (S)	4x2	20'-0"	20'-0"	20'-0"	19'-1"	20'-0"	20'-0"	20'-0"	-----	20'-0"	20'-0"	20'-0"	-----
22'-0"	OJ418	4x2	22'-0"	22'-0"	20'-7"	-----	22'-0"	22'-0"	20'-7"	-----	22'-0"	22'-0"	20'-7"	-----

14"			LL=40 psf DL=15 psf				LL=40 psf DL=30 psf				LL=40 psf DL=36 psf			
Spacing o.c.			12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"
Subfloor thickness - CSP			5/8"	5/8"	5/8"	3/4"	5/8"	5/8"	5/8"	3/4"	5/8"	5/8"	5/8"	3/4"
Length	Series		Maximum Floor span c/c				Maximum Floor span c/c				Maximum Floor span c/c			
8'-0"	OJ314	3x2	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
10'-0"			10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
12'-0"			12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	
14'-0"			14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	
16'-0"			16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	15'-1"	16'-0"	16'-0"	16'-0"	14'-6"	
18'-0"	OJ315	3x2	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	16'-8"	18'-0"	18'-0"	18'-0"	16'-2"
	OJ315	3x2	20'-0"	20'-0"	19'-11"	18'-6"	20'-0"	20'-0"	18'-8"	-----	20'-0"	19'-9"	18'-0"	-----
	OJ418 (S)	4x2	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	19'-2"	20'-0"	20'-0"	20'-0"	-----
22'-0"	OJ415	4x2	22'-0"	22'-0"	22'-0"	20'-7"	22'-0"	22'-0"	22'-0"	-----	22'-0"	22'-0"	21'-4"	-----
24'-0"	OJ418	4x2	24'-0"	24'-0"	23'-4"	-----	24'-0"	24'-0"	23'-4"	-----	24'-0"	24'-0"	23'-4"	-----
26'-0"			26'-0"	24'-9"	-----	-----	26'-0"	24'-9"	-----	-----	26'-0"	24'-9"	-----	-----

16"			LL=40 psf DL=15 psf				LL=40 psf DL=30 psf				LL=40 psf DL=36 psf			
Spacing o.c.			12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"
Subfloor thickness - CSP			5/8"	5/8"	5/8"	3/4"	5/8"	5/8"	5/8"	3/4"	5/8"	5/8"	5/8"	3/4"
Length	Series		Maximum Floor span c/c				Maximum Floor span c/c				Maximum Floor span c/c			
8'-0"	OJ314	3x2	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
10'-0"			10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
12'-0"			12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	
14'-0"			14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	
16'-0"			OJ314	3x2	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"
	OJ318 (S)	3x2	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"
	OJ315	3x2	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"
	OJ318 (S)	3x2	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"	18'-0"
	OJ315	3x2	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	18'-0"	20'-0"	20'-0"	19'-5"	-----
	OJ418 (S)	4x2	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"
22'-0"	OJ418	4x2	22'-0"	22'-0"	22'-0"	22'-0"	22'-0"	22'-0"	22'-0"	21'-8"	22'-0"	22'-0"	22'-0"	20'-2"
24'-0"			24'-0"	24'-0"	23'-11"	24'-0"	24'-0"	24'-0"	-----	24'-0"	24'-0"	24'-0"	-----	
26'-0"			26'-0"	26'-0"	-----	26'-0"	26'-0"	25'-9"	-----	26'-0"	26'-0"	25'-3"	-----	
28'-0"			28'-0"	28'-0"	26'-7"	-----	28'-0"	28'-0"	26'-7"	-----	28'-0"	28'-0"	-----	
30'-0"			OJ420	4x2	30'-0"	28'-3"	-----	-----	30'-0"	28'-3"	-----	-----	30'-0"	28'-3"

**Notes :**

- Spans apply to simple span application only.
- Minimum end bearing length is 1 1/2", **except for bold spans minimum 1 1/2" at the OSB section with web stiffeners.**
- Maximum spans are measured **centerline to centerline** of bearing and are based on uniformly loaded joists.
- Dead load deflection is limited to L/360 and Total load deflection is limited to L/240.
- Live Load is limited to L/480.
- The spans shown are in accordance with NBCC and CAN/CSA O86 and take into consideration the vibration criterion with continuous strongback installed at mid span.
- Refer to appropriate sections of the Specifier Guide for installation guidelines and construction details.
- The nailing specifications are to be in accordance with the National Building Code of Canada (NBCC) and the adhesives used should comply with CGSB standard CAN-CGSB 71.26-M88.
- (S) = Special grade, verify availability

